

## Connection vs. Connectionless Systems

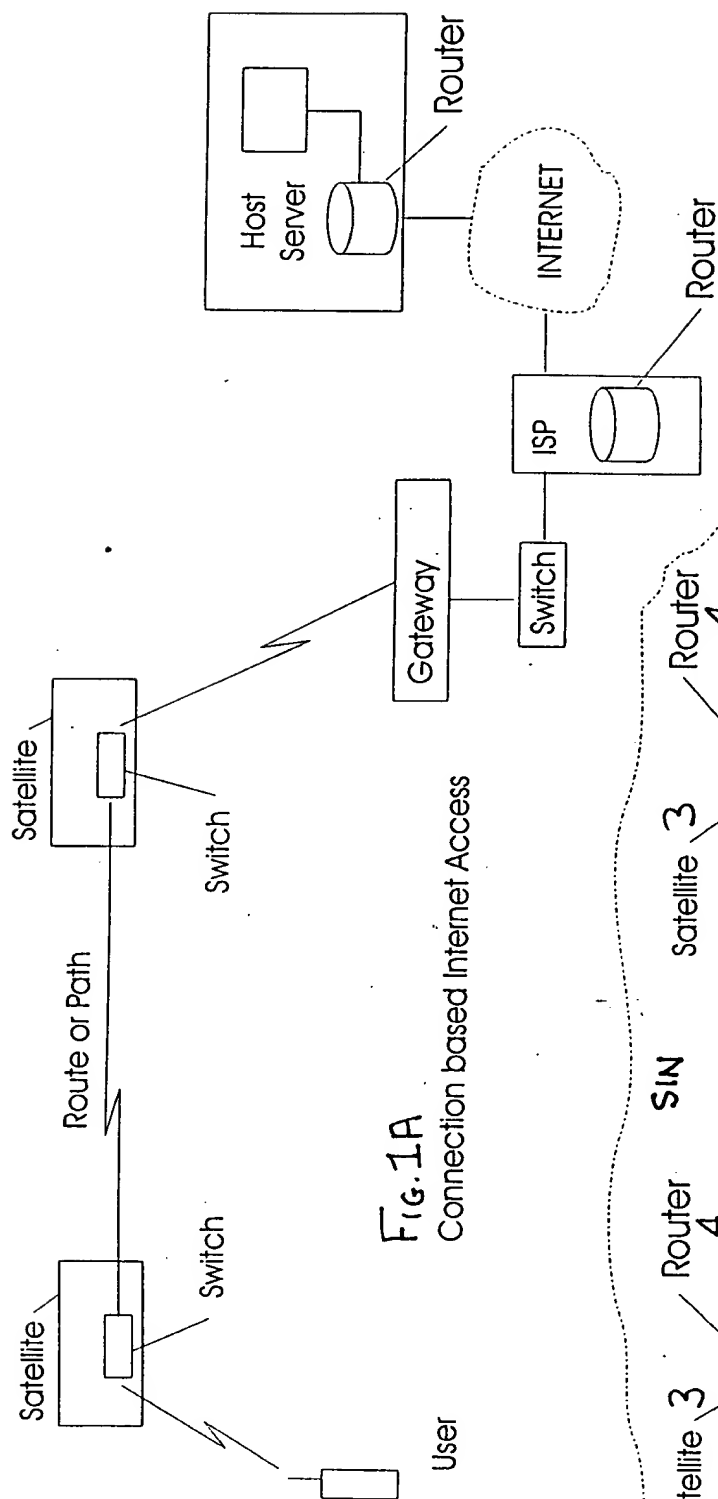


FIG. 1A

## Connection based Internet Access

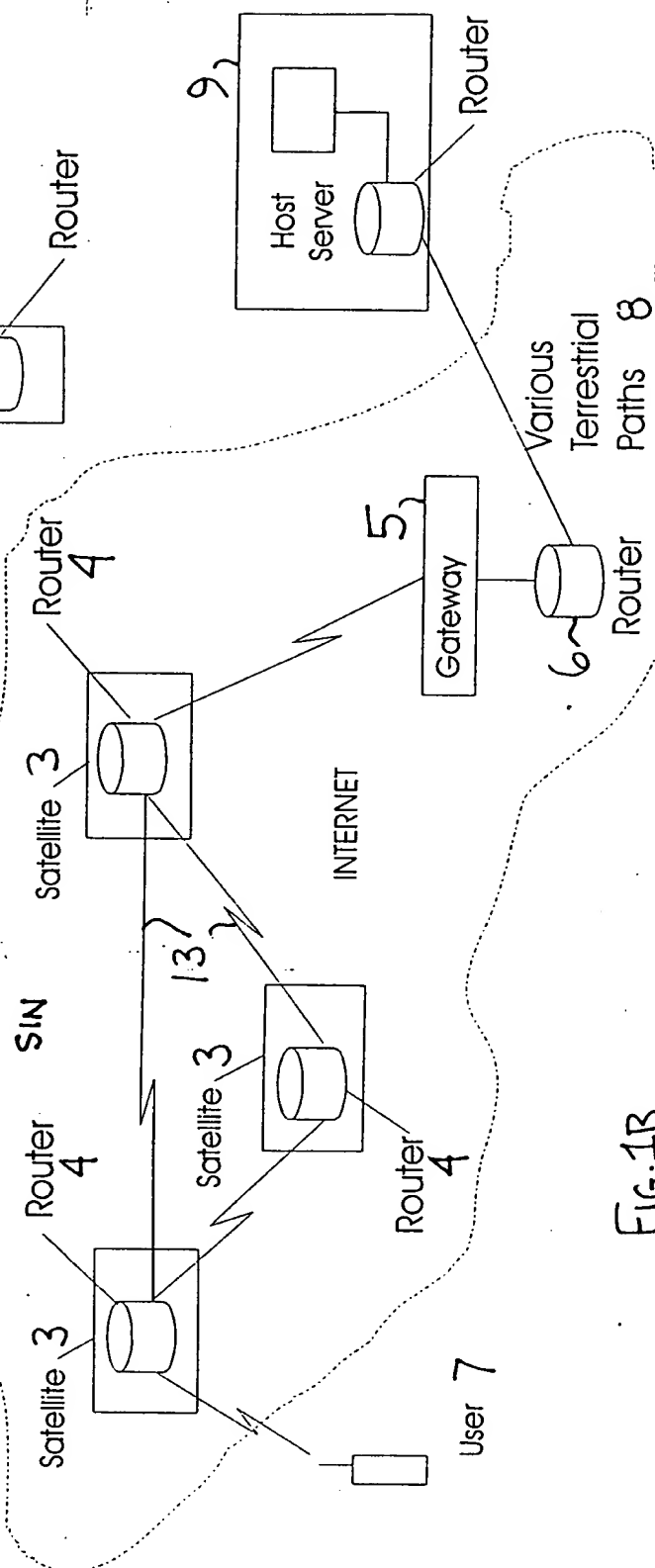
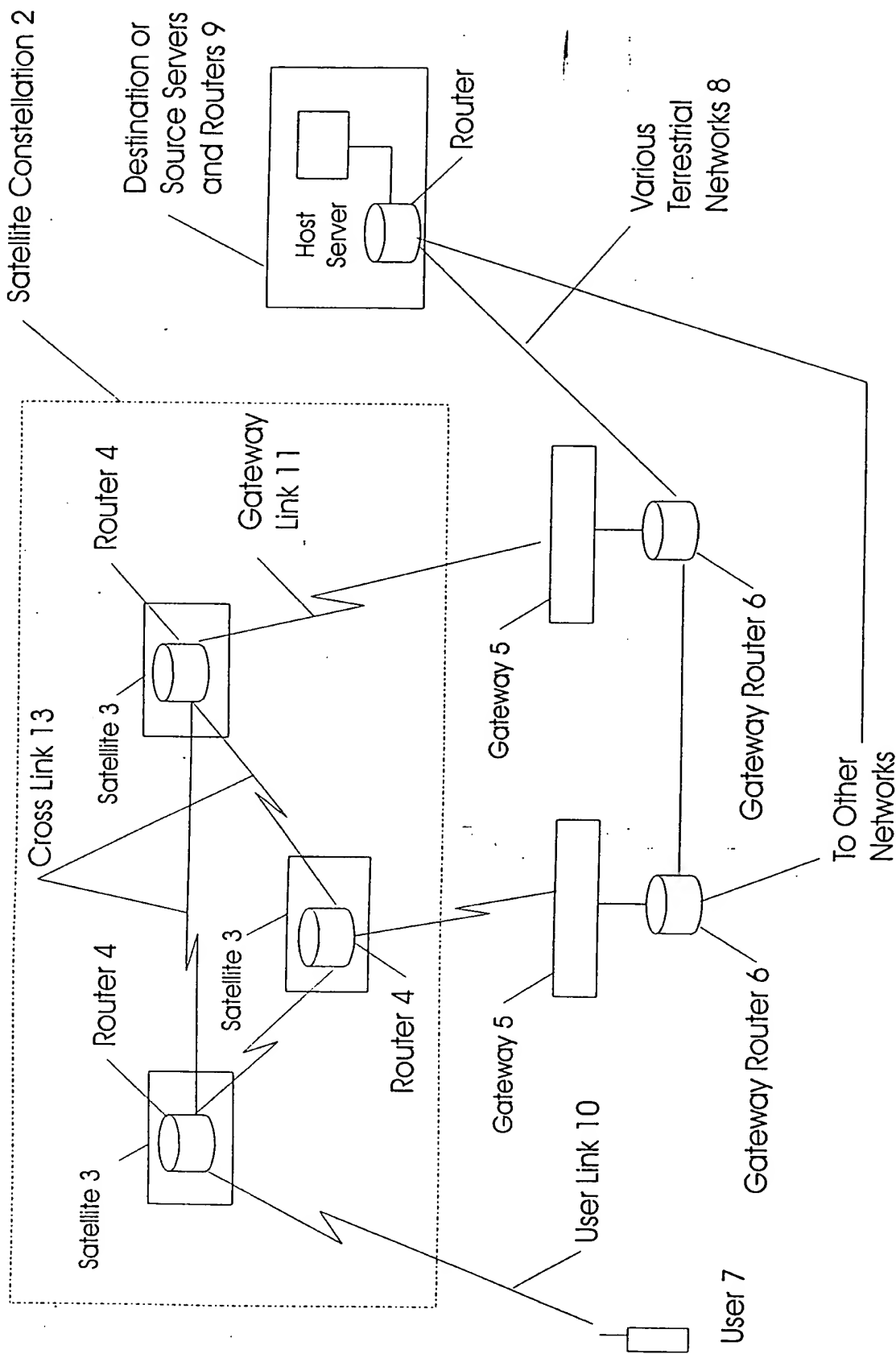


FIG. 1B

## Connectionless Internet Access



# Connection Less Satellite Internet Access System



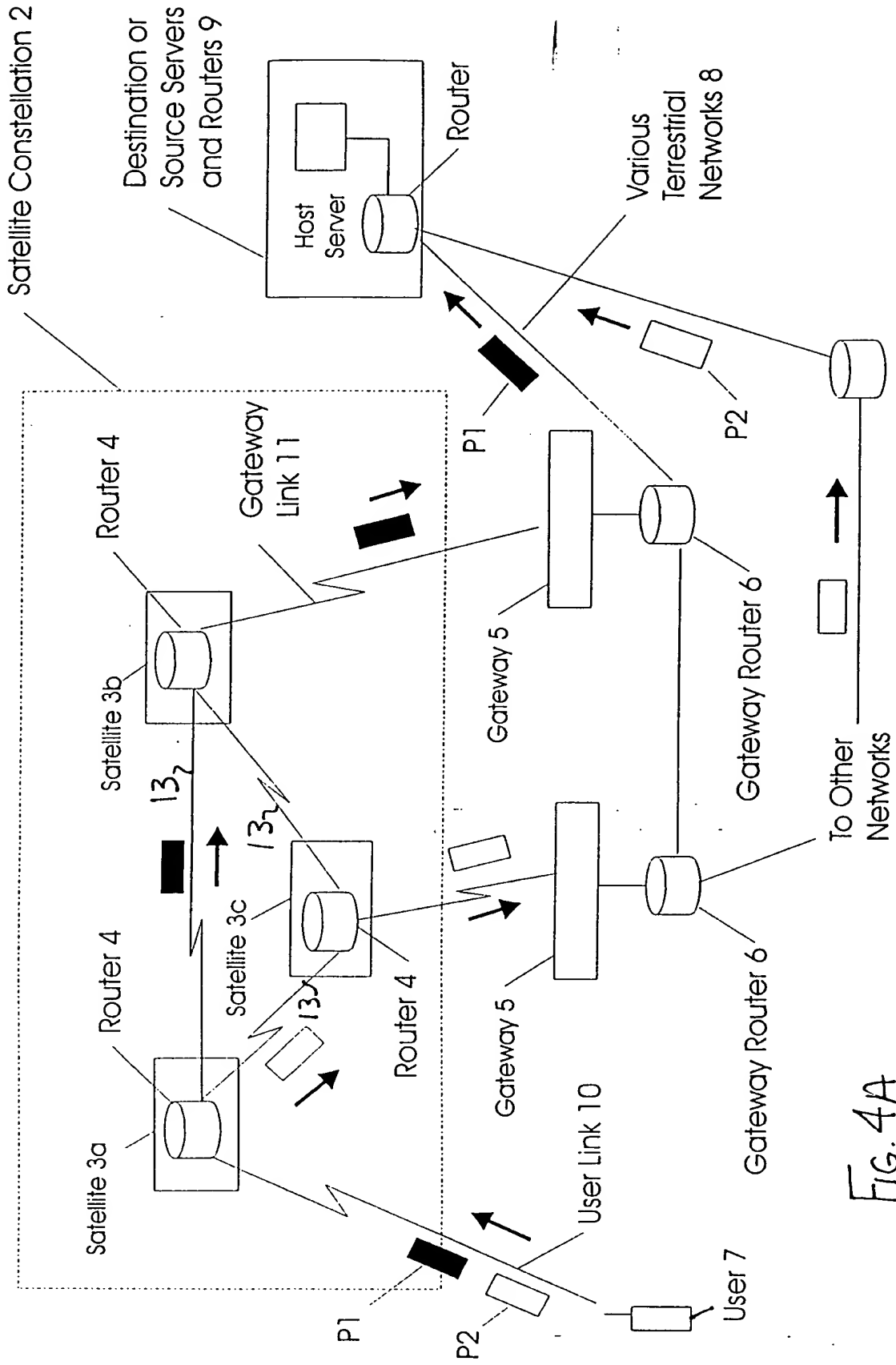


FIG. 4A

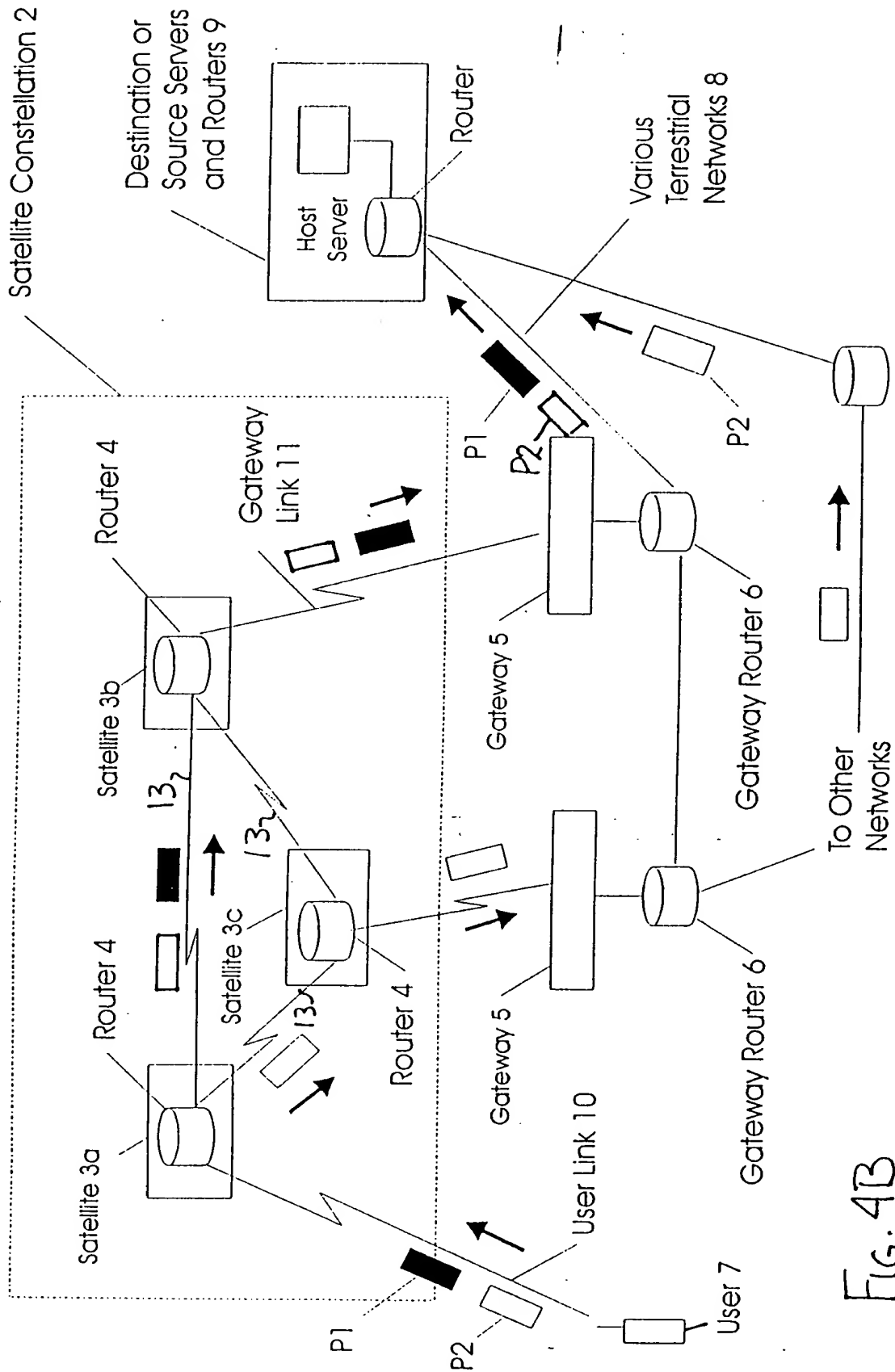


FIG. 4B

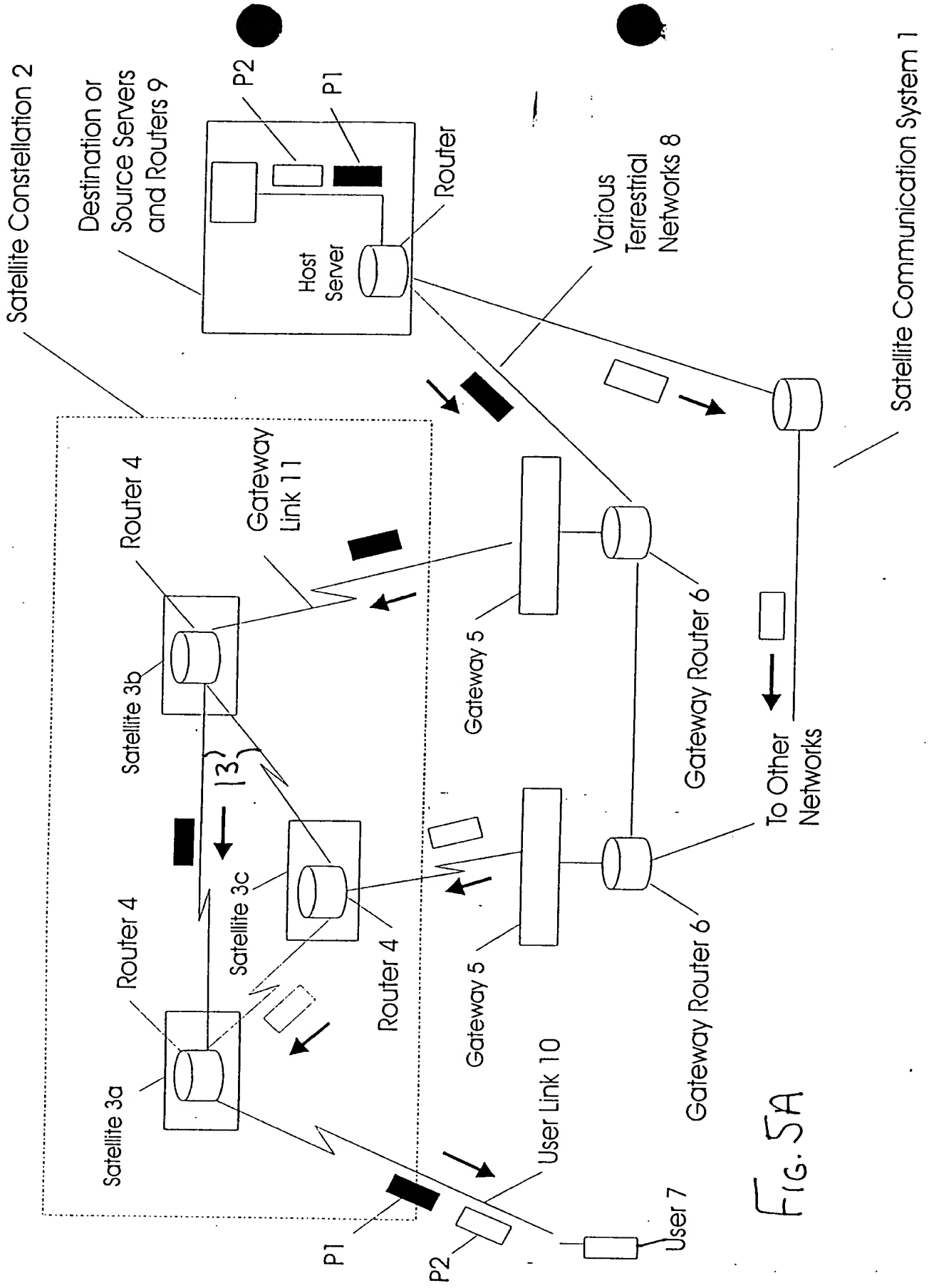
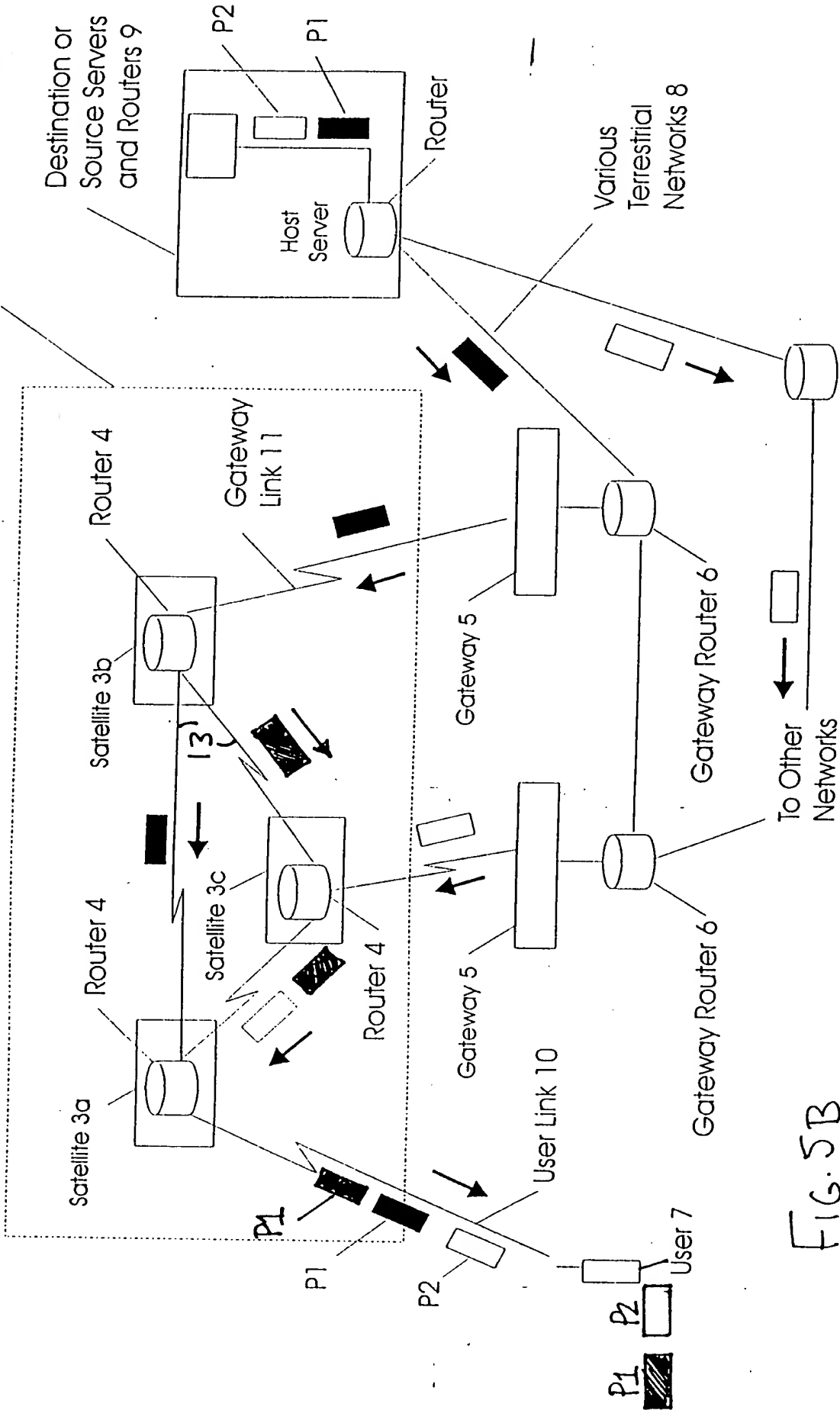


FIG. 5A

Satellite Constellation 2



Satellite Communication System 1

FIG. 5B

Figure 6  
The Connection Less Satellite Internet Access System  
Integrated with the Internets

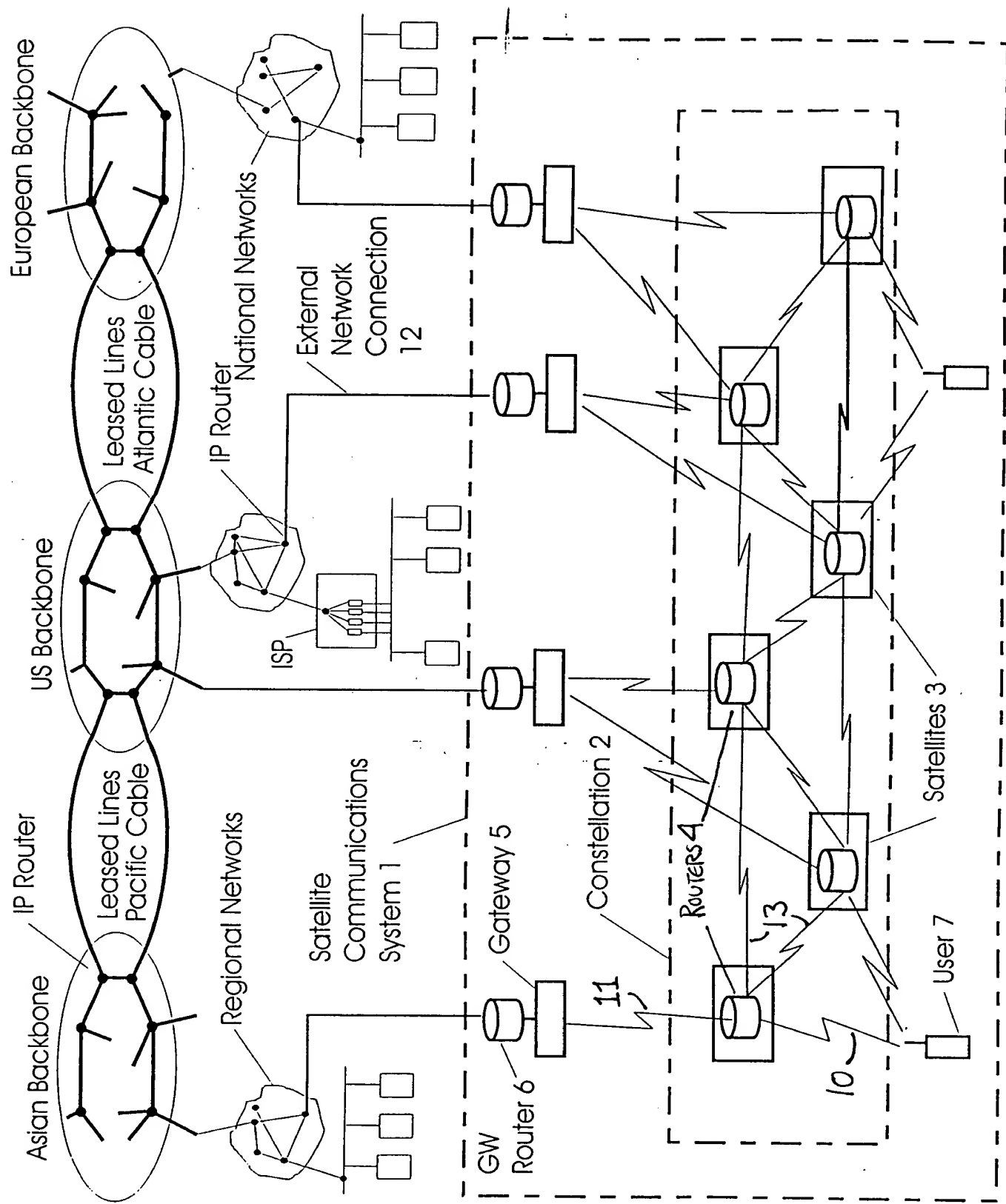
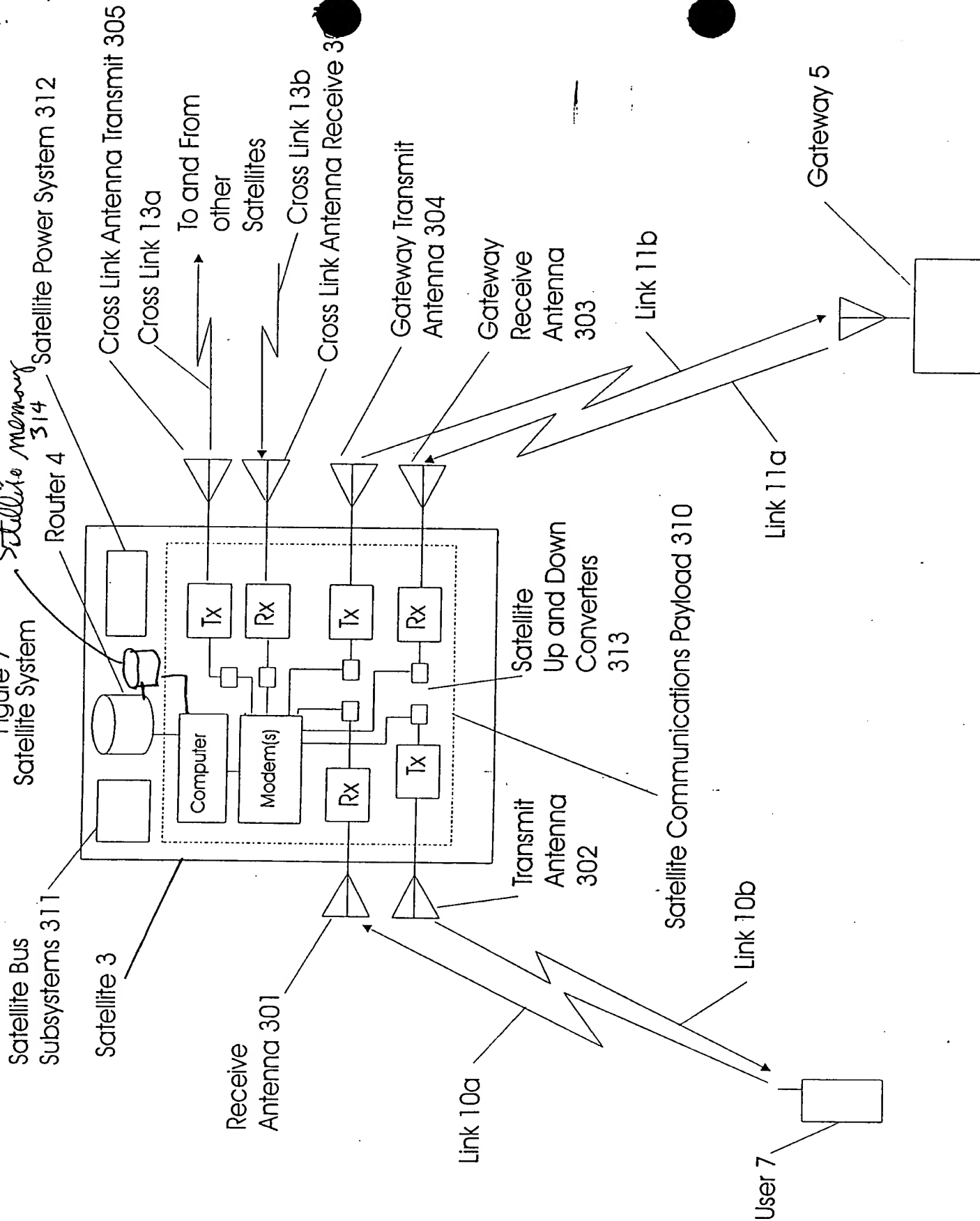




Figure 7

Satellite System



Satellite Mobile Internet Access User Terminal

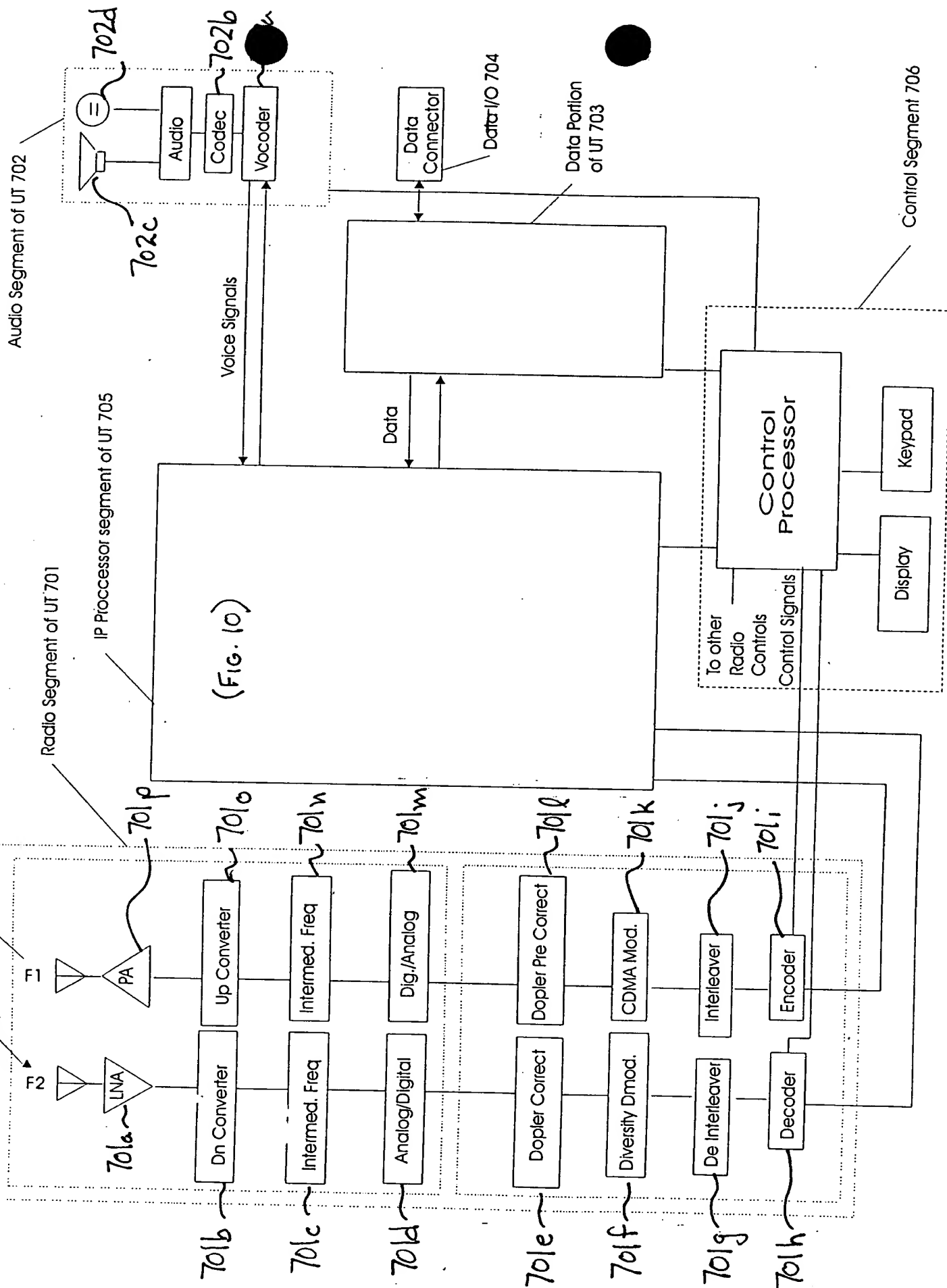
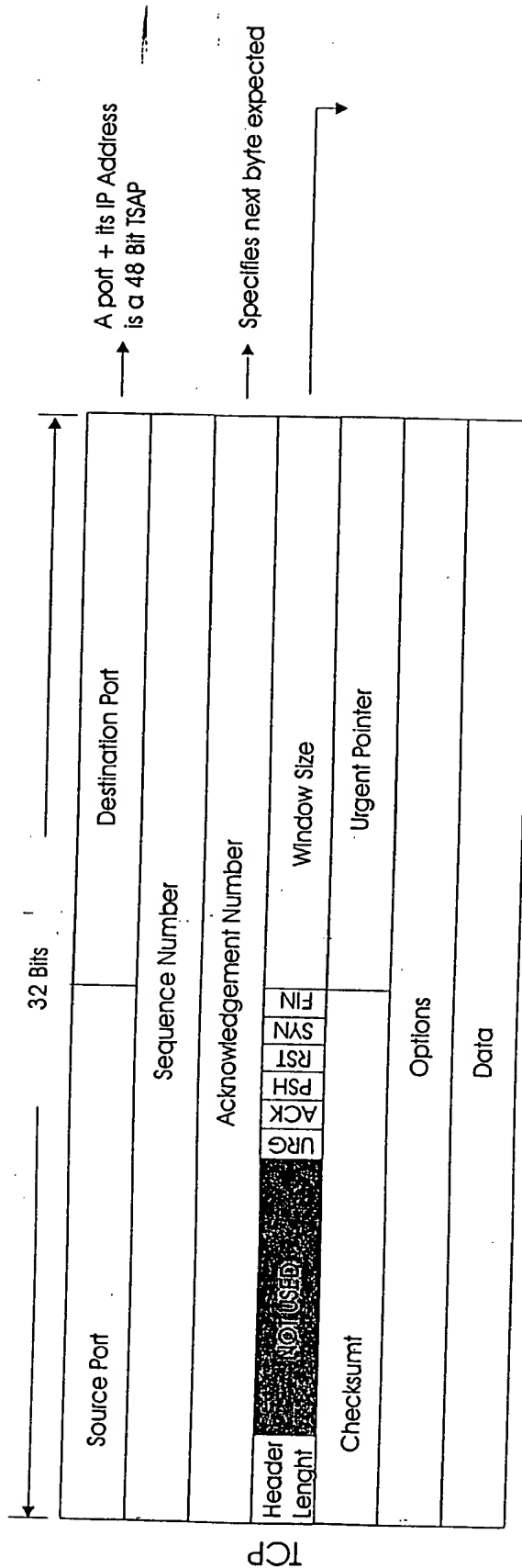
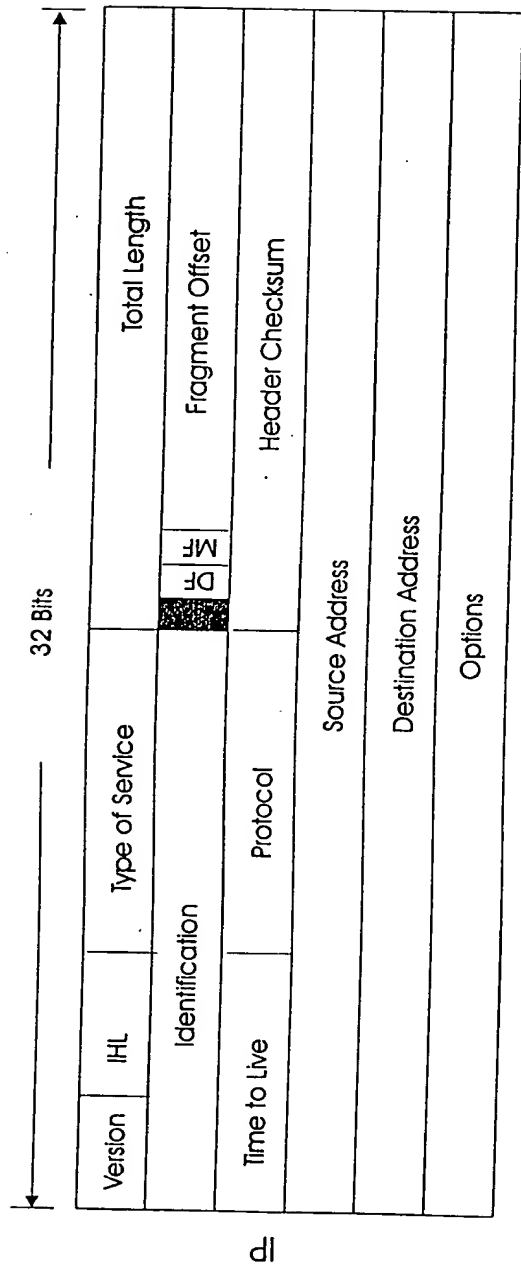


Figure 9

TCP/IP Packet structure illustration



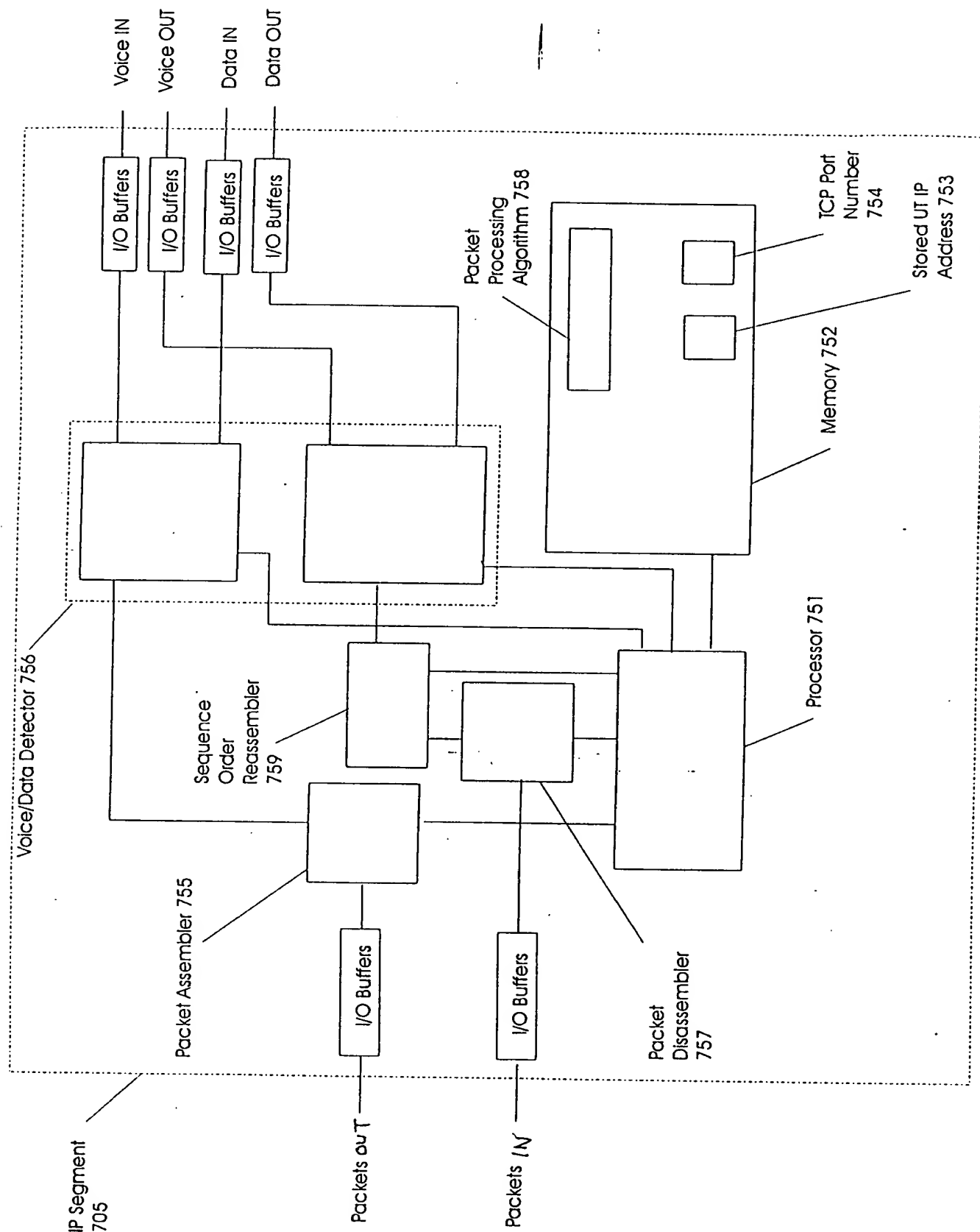
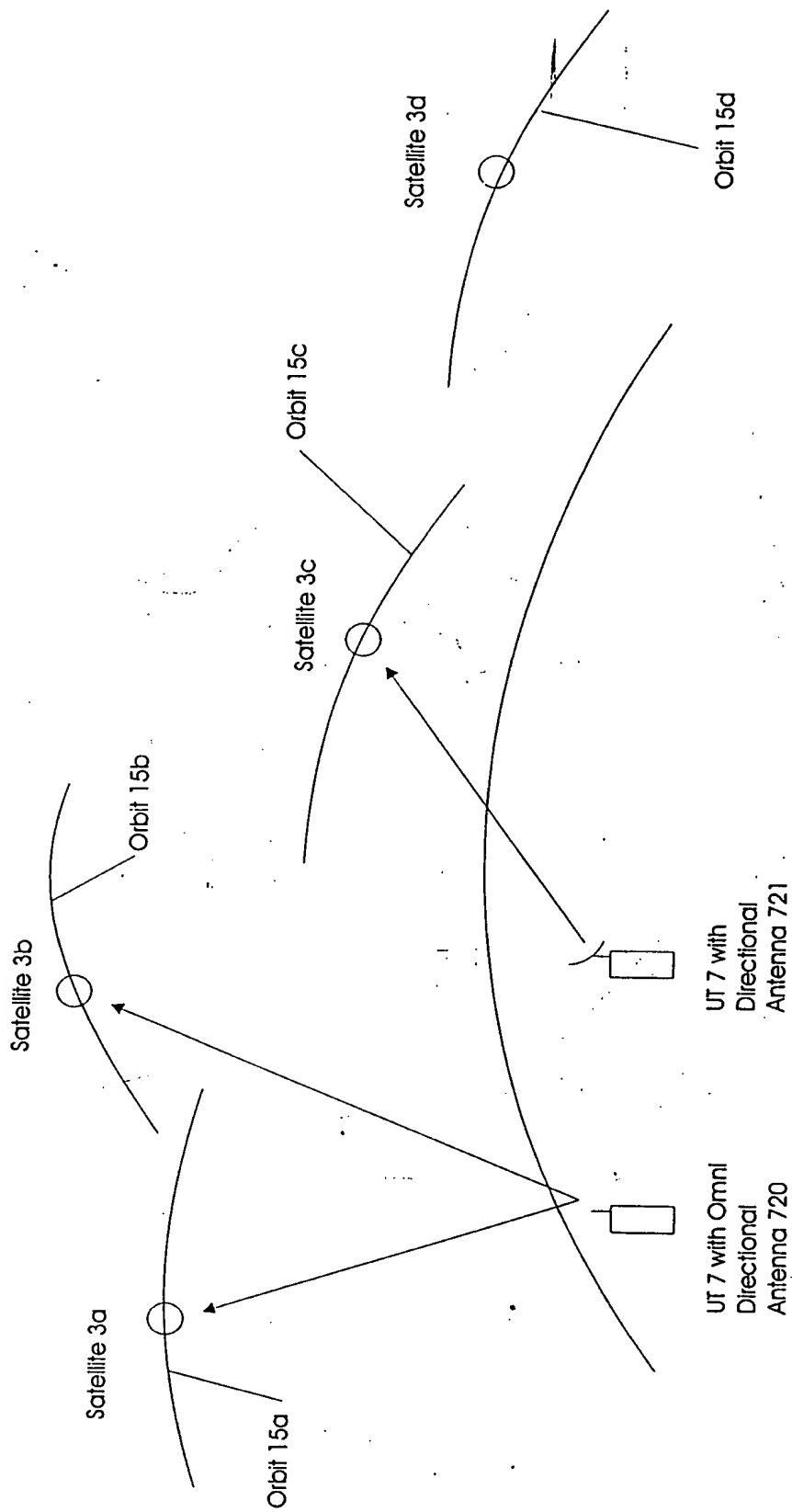
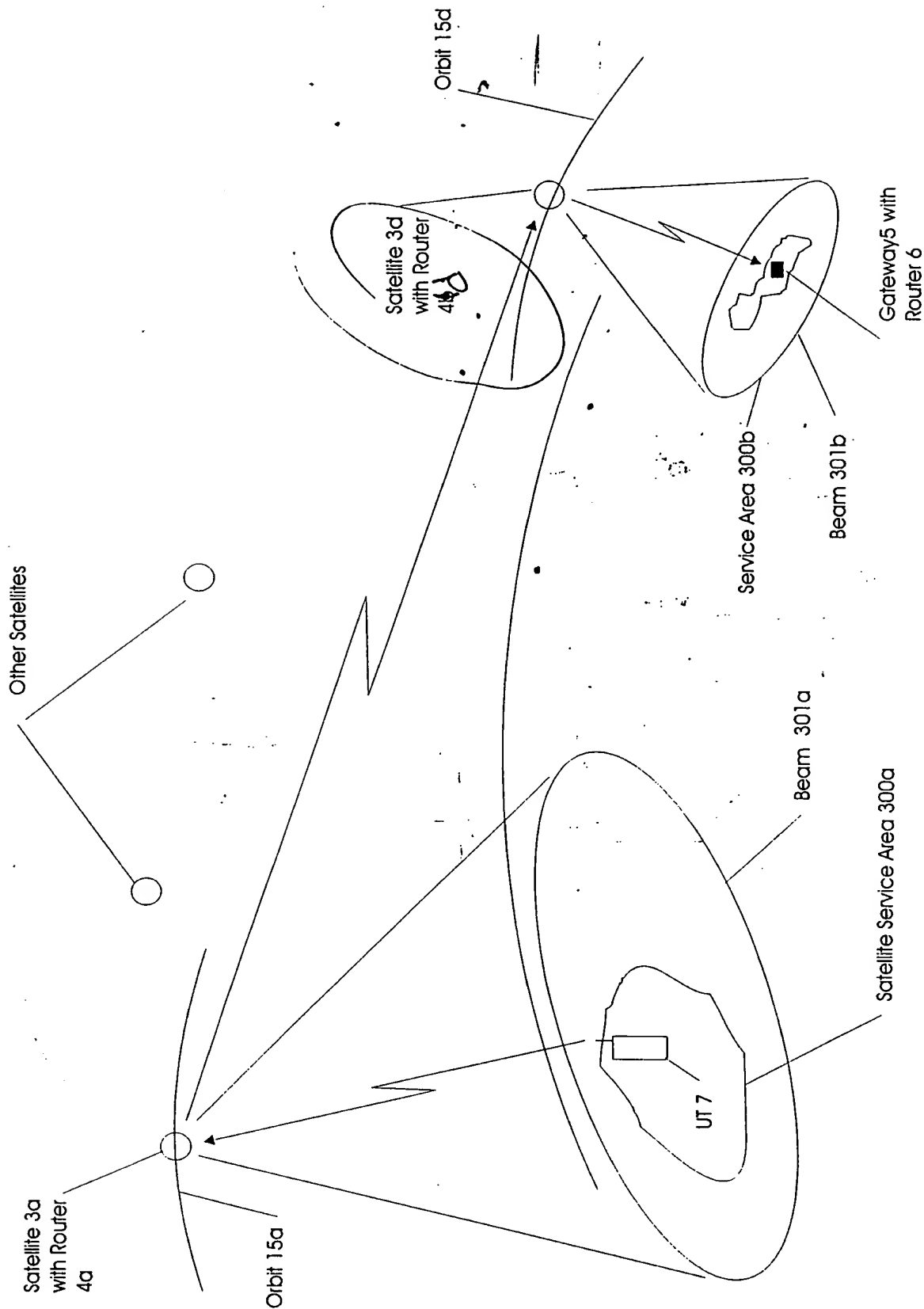


Figure 11  
Outbound UT to Constellation Links



Outbound UT to Constellation Links



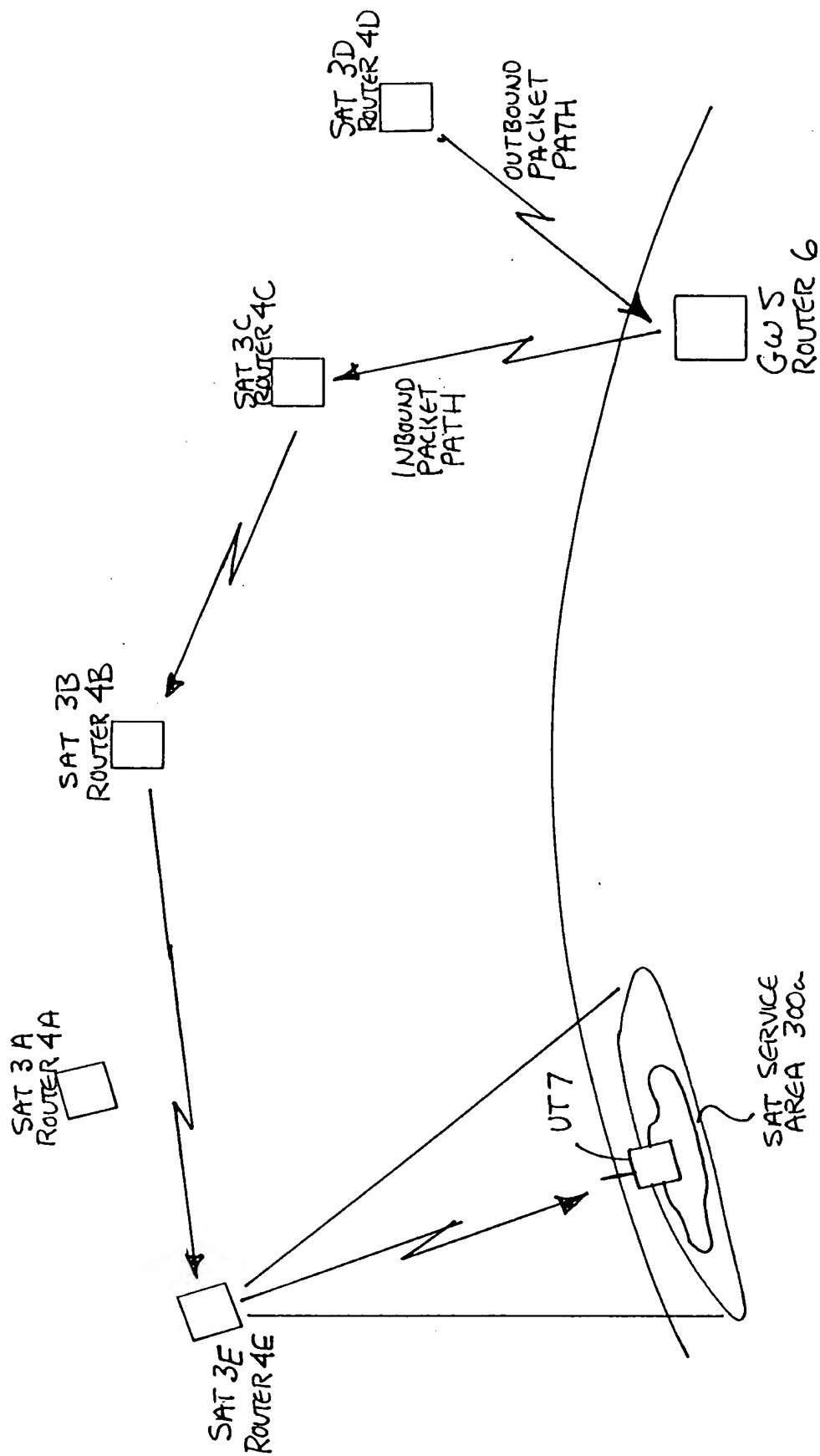
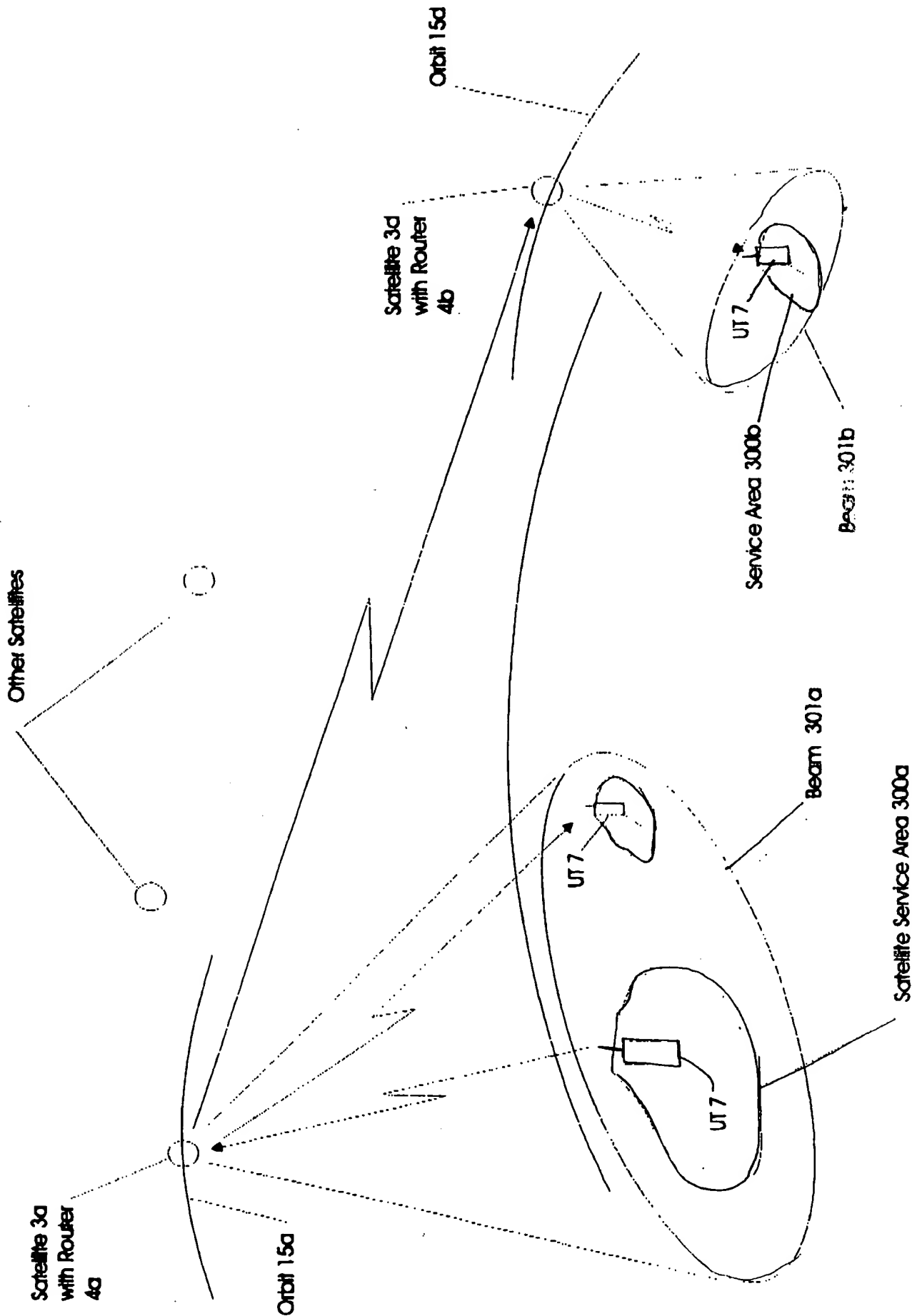


FIG. 13

UT to UT communications





4'      3'      2'      1'

4"      3"      2"      1"

FIG. 15A



Window of time

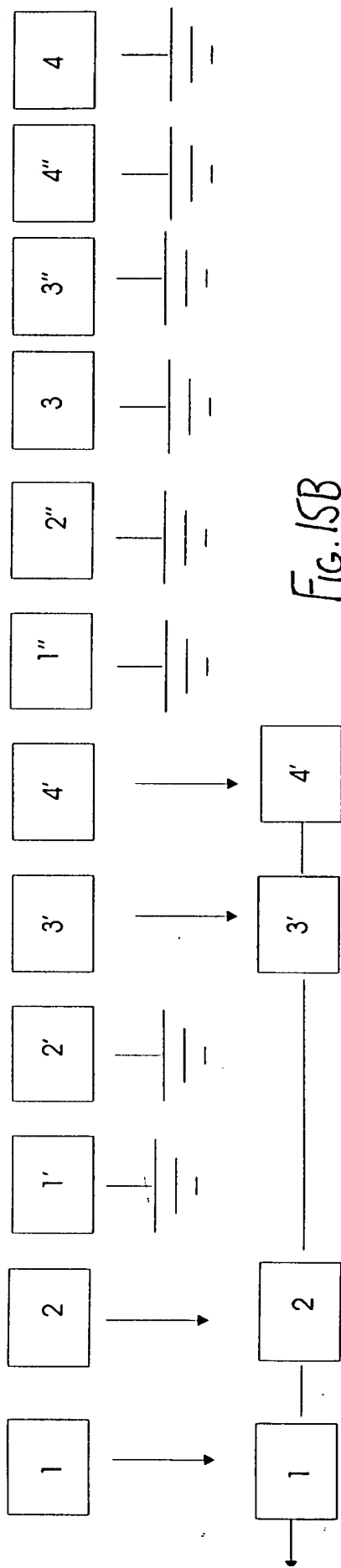
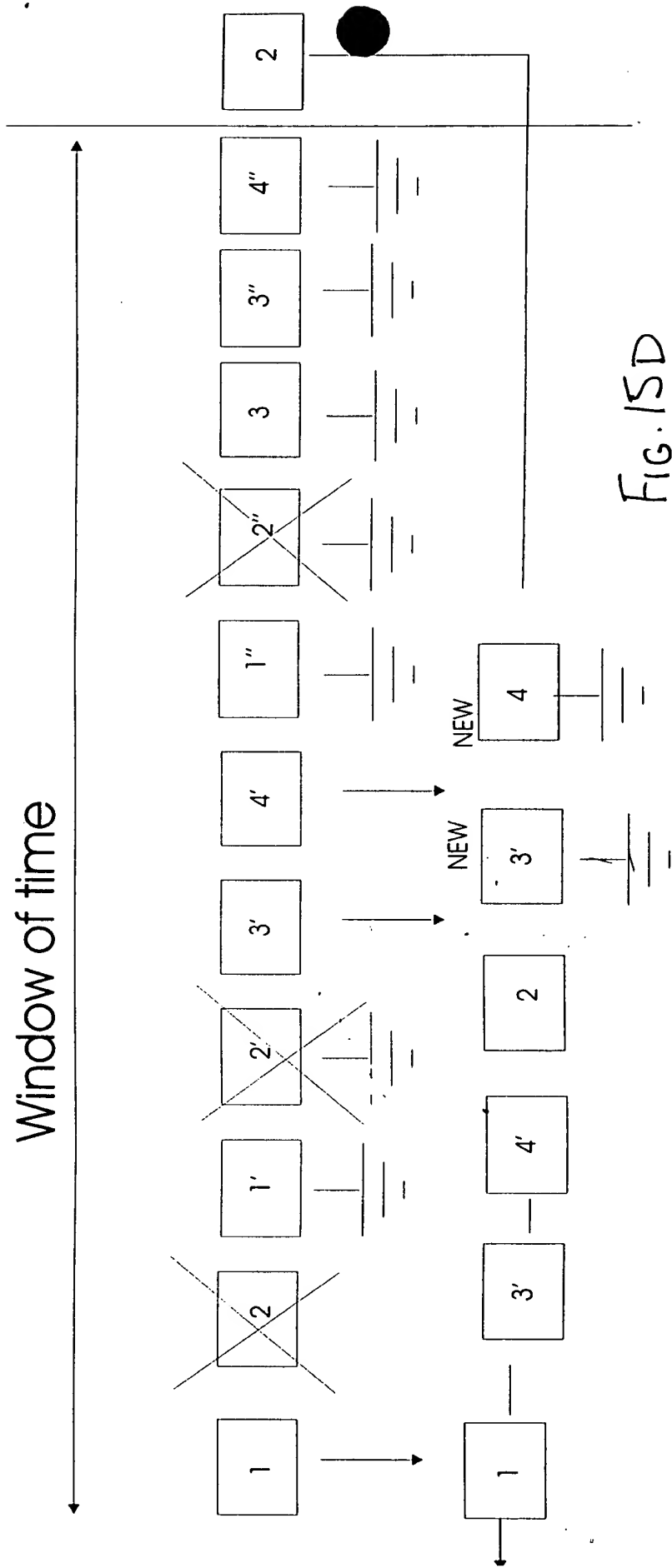


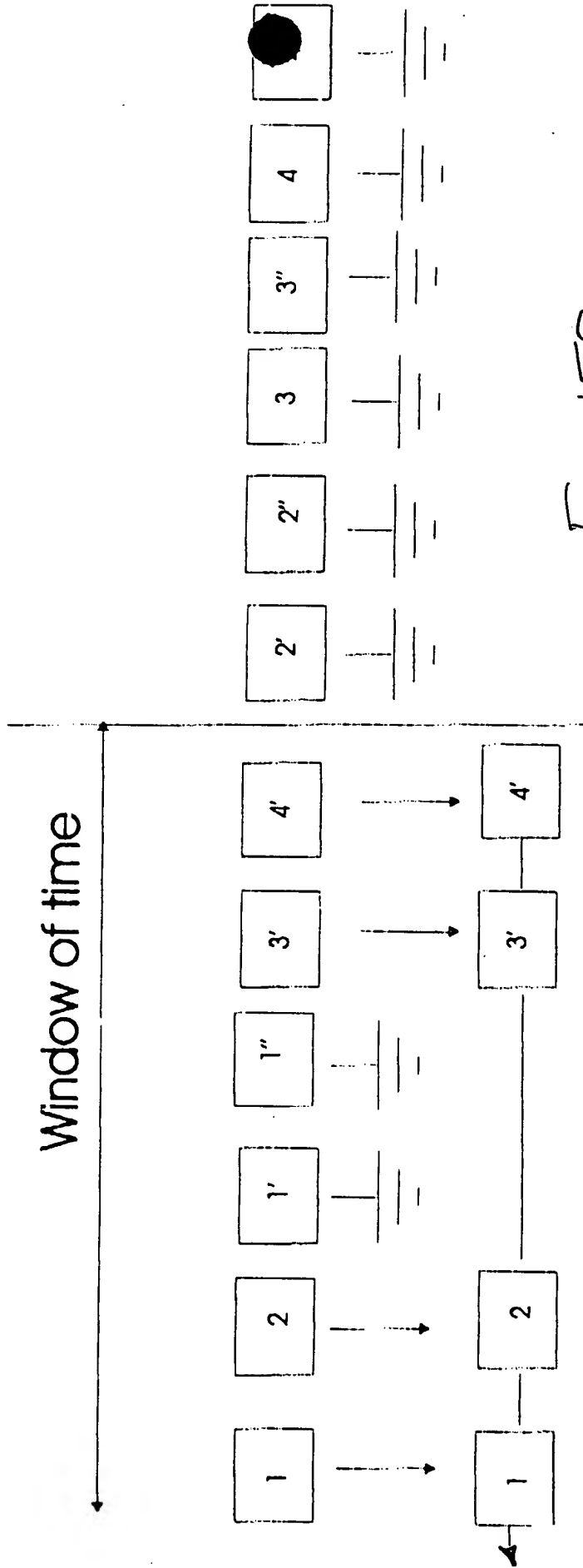
FIG. 15B

These packets go to the application





These packets go to the application



These packets go to the application

FIG. 15E

Window of time

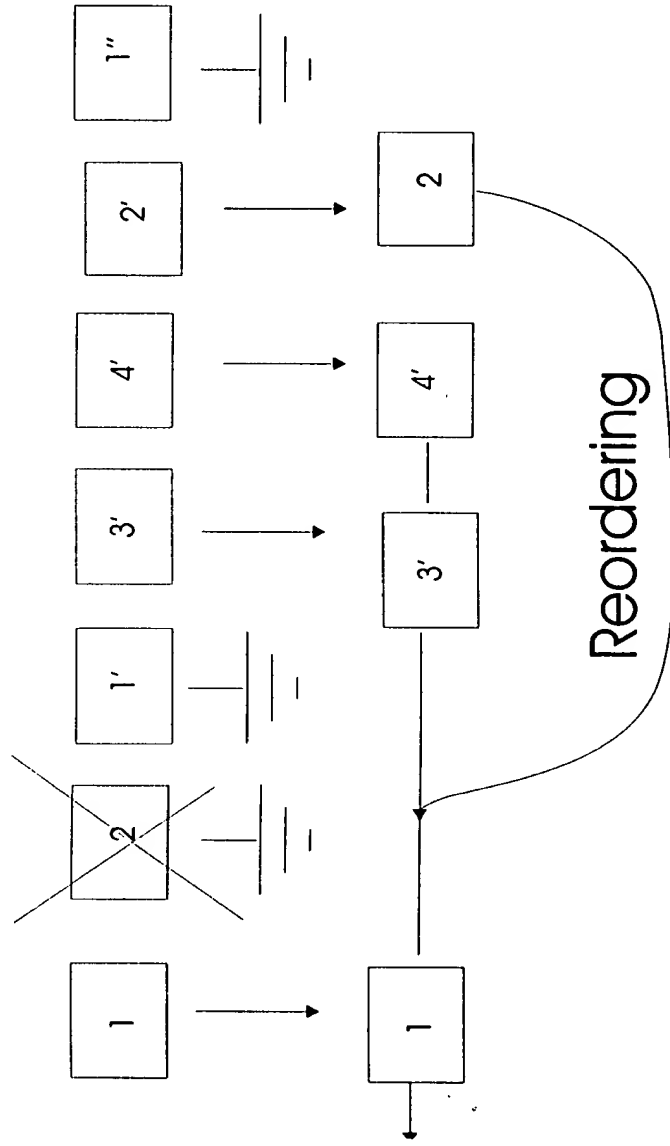


FIG. 15F

These packets go to the application